Work Order Tuesday, June 22,												Page 1	-
Revision ID: Item Name:	D206-667-20. Crosstube Aft 5/22/2010 1/20/2010			Accept	Cust Item Customer:	-			Setup	Start Stop			
Approvals:	Process Plai	n:	Date: / <i>D-lv J.</i>	Tooling: SPC (Y/N):		ate:	- - - - - -	•	Run	Start Stop			
Sequence ID/ Work Center ID		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Rej Qty			Insp. Stamp	_
Draw Nbr D206-667-243	Revi	ision Nbr			•			1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			0		-
100 DC Document Control	Kev	DOCUMENT CONTR	OL bluefile and create labels a	0.00 0.00 as per PPP D206-667-203	сноооз \sum_{ω}	la/21		De	for	CL	10/07	1/21	-
110 CNC Bend 2 CNC Alpha 160 Bend	ler	BENDING MACHINE Memo Bend tube	as per Dwg D206-667-243	0.00 0.00 using CNC bender progr	•		·	(IX) _}	<u>Z</u>	MB	10-07	1-0
120 		QC15- Crosstube Dime	ensional Check	0.00	10/07/06	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			> —				

Quality Control

Dart	Aeros	pace	Ltd
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W/0:59	7973	WORK ORDER C					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/7/20	100	Fix Pouting * numbers.		0.07.2			10/03/20

Part No: <u>D206-667-203</u> PAR #:	Fault Category:	NCR: Yes No D	A:	Date:
Resolution:	Disposition:	QA: N/C Closed: _	M10-110	Date:

NCR:								
	T	Description of NC		Corrective Action Section B	Verification	Approvai	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Page 2

Tuesday, June 22, 2010 10:14:46 AM

Item	ID.
rieni	w.

D206-667-203

Accept



Setup Start

Stop



Revision ID:

Item Name:

Crosstube Aft

Start Date: 6/22/2010

Start Qty: 1.00

Required Date: 7/20/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

	_	
А	pprovals:	

Process Plan:

Date:

Tooling:

Date: ___

Date:

Start Run

Stop



Sequence ID/ **Work Center ID**

130



Crosstubes

Crosstubes

Operation Description

Crosstubes

Set Up/ **Run Hours**

SPC (Y/N):

0.00

0.00

Tool ID

Tool # Plan Code Qty

Accept

Reject Qty

Reject Insp. Number

Stamp

Memo

Date:

1-Drill pilot holes in tube using drill Jig DT8583 & DT8584 as per Dwg D206-667-243 and drill table DT8577. Locate hole #6 for towers as per OSI 10. Drill all (3) top holes.

2-Drill and Ream all holes in tube to finish size using drill Jig DT8583 & DT8584 as per Dwg D206-667-243 Check dimensions between holes on all four sides.

3-Flip tube and switch drilling Jigs from right to left, left to right. Locate Jigs off existing holes using "T" pins.

4-Drill pilot holes using drill Jig DT8583 & DT8584 as per Dwg D206-667-243. Drill only the top (2) holes.

5-Drill & ream the top (2) holes to finish size using drill Jig DT8583 & DT8584 as per Dwg D206-667-243

6-Drill Fwd rivet holes using drill Jig DT8789FWD as per Dwg D206-667-143. Note: Fwd side has 3x top holes.

7-Drill Aft rivet holes using drill Jig DT8789 as per Dwg D206-667-243.

8-C'sink holes as per Dwg D206-667-243.

9 -Scribe part # and batch # using vibrating stylus as per Dwg D206-667-243 Inside of Cuff(Donot engrave on outside of tube)

10 -Deburr & Inspect for surface damage. Repair damage within limits as per

AWM, 0-07-07

W/O:			W	WORK ORDER CHANGES							
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector		
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Part No:		PAR #:	PAR #: Fault Category:					_ Date: _	<u>.</u>		
	Resolution:			Disposition:				Date: _			
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date	& Sect	ien C	Chief Eng	QC Inspector		
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Work Ord Tuesday, June 2							- 1				Page 3
Item ID: Revision ID: Item Name: Start Date: Required Date:	D206-667-20 Crosstube Aft 6/22/2010			Accept	Cust Iter	m ID:			Setup	Start	
Reference:		Req a Qty: 1.00			Custome	er:					
Approvals:	Process Pla	nn:	Date:	Tooling:	1	Date:	~		Run	Start	
	QC:		Date:	_ SPC (Y/N):	<u> </u>	Date:				Stop	
Sequence ID/ Work Center II	D	Operation Description Dwg D206-667-24	3	Set Up/ Run Hours	Tool II	Tool#	Plan Code	Accep Qty	t Rej Qty		Reject Insp. Number Stamp
		Crosstubes Chemical Cor	version	0.00	1			1	~		AWN
HandFXtube Hand Finishing Cros	sstubes	Memo		0.00							
150		QC3- Inspect Part Finish		0.00	ı	ť		1			
QC Quality Control		Мето		0.00	7107					 	
160		QC5- Inspect part comple	teness to step on W/O	0.00	, \			_			
QC Quality Control		Memo		0.00	10/ FD/c	i		(E)			

N/O:			WORK ORDER CHANGES								
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Part No:		PAR #:	Fault Ca	itegory: NCR: Yes No			\:	Date:			
	Resolution:			ion:	_ QA: N/C	Closed:	\bot	Date:			
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Work Order ID 59973

Tuesday, June 22, 2010 10:14:46 AM



Page 4

Item ID:

D206-667-203

Accept

Setup Start

Stop



Revision ID:

Item Name:

Crosstube Aft

Start Date:

6/22/2010

Start Qty: 1.00

Required Date: 7/20/2010

Reg'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: _____ Date: ____

Tooling: SPC (Y/N): Date:

Date:

Run Start

Stop

Sequence ID/ **Work Center ID**

170

Operation Description

Outsource process - NDT per OSI038 4.1

Date:

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan

Accept Code Qty

Reject **Qty**

Reject Number Stamp

Insp.

Outsource2 Outsource process - NDT

Memo Liquid Penetrant Inspection as per OSI 038Or

Issue P/O: 12212 LPI as per ASTM 1417

Level 2 Attach copy of NDT results to work order

180

Packaging

Packaging

Memo

0.00

0.00

Packaging

Ensure copy of NDT results attached to work order.

190

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Ensure results are as per Dwg D206-667-243

CZ 10/7/7 0

/c/1/8 ()

Dart Aerospac	e Ltd
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W/O:			ES		Y				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qt	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
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Work Order ID 59973

Tuesday, June 22, 2010 10:14:46 AM



Page 5

Item ID:

D206-667-203

Accept

Setup Start

Stop



Revision ID:

Item Name:

Crosstube Aft

Start Date:

6/22/2010

Start Qty: 1.00

Required Date: 7/20/2010

Reg'd Qty: 1.00



Cust Item ID:

Customer:

Reference: Approvals:

Process Plan: _____ Date: ____ Tooling:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/ **Work Center ID**

200

SprayPaint

Spray Painting

Operation Description

SprayPaint

Set Up/

Date:

Run Hours

0.00

0.00

Tool ID

Date:

Tool # Plan Code

Accept Qty Qty

Reject Reject

Insp. Number Stamp

BT 10-07-14

Memo

1-Prime inside and outside crosstube as per QSI 005 4.2

2-Paint outside crosstube with White Imron as per OSI 005 4.2

PRIME:

Start Time: 9: 00 Fininsh Time: | O: 48

PAINT:

Start Time: 27, 00 Finish Time: 3:00

210

Quality Control

QC14- Inspect Spray Paint

0.00

Memo

0.00

Wrap in plastic bag to protect from scratches

M 10 07 15 0

Dart Ae	rospace L	td								•
W/O:			WC	RK ORDER CHAN	IGES					X 10 TF
DATE	STEP	PR	OCEDURE CHAI	NGE		By Date Qty			Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORD	ER NON-CONFORI	MANCE	(NCR)			
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Work Ord Tuesday, June 2	er ID 59 22, 2010 10:	9973 14:46 AM	,			 []							Do
Item ID: Revision ID: Item Name: Start Date: Required Date: Reference:	D206-667-2 Crosstube Af 6/22/2010 7/20/2010			Accept	Cust I	tem I				Setup	Start Stop	1 (88)(18)	Pago
Approvals: Sequence ID/	Process Pla		Date:	Tooling: SPC (Y/N):	 		te:	- 1	-	Run	Start Stop		
Work Center ID 220 Crosstubes		Operation Description Crosstubes		Set Up/ Run Hours 0.00	Tool	ID	Tool#	Plan Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp
Crosstubes		Memo I-Install nut p	plates as per Dwg D206-66	0.00 7-243.					m	1()	_07_	20
230 Crosstubes		Skidtubes		0.00	,	· •			N				

Crosstubes

Crosstubes

Memo

0.00

1-Install support using 0.03" to 0.06" thick layer of magnobond 6398 per QSI 015. Let cure for 12h after installation and prior to packaging. Note: (3) top holes should be facing up.

A/R Magnobond 6398: 11458 xp. 07 2011

2-Install supports and clamps as per Dwg D206-667-243. Torque clamps to 80-100 in lb W 10 07 20

ml 10 07 ...18 0

Page 6

Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval** Approval QC Inspector STEP Qty DATE PROCEDURE CHANGE Ву Date Chief Eng / Prod Mgr Part No: _____ PAR #: ____ Fault Category: ____ NCR: Yes No DQA: Date: _____ Resolution: _____ Disposition: _____ QA: N/C Closed: ___ Date: _____ MODE ODDED NON CONFORMANCE (NCD)

NCR:			WORK ORDI	ER NON-CONFORMANO	CE (NCR)	- 1	Approval Chief Eng	
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		QC Inspector	
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Work C	rder	ID	59973
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QC

Quality Control

Memo

Tuesday, June 22, 2010 10:14:46 AM



Page 7

Item ID: D206-667-203 Accept Setup Start **Revision ID:** Item Name: Crosstube Aft Stop **Start Date:** 6/22/2010 Start Qty: 1.00 Cust Item ID: Required Date: 7/20/2010 Req'd Qty: 1.00 **Customer:** Reference: Run Start Process Plan: Approvals: Date:_____ Tooling: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Reject Accept Reject Insp. **Work Center ID** Description Run Hours Code Qty Number Stamp Qty 240 QC5- Inspect part completeness to step on W/O Memo Quality Control 250 Pick Kit 0.00 Packaging Memo 0.00 Packaging 260 QC4- 100% Inspect kits for completeness

W/O:			W	ORK ORDER CH	ANGES			-		· · · · · · · · · · · · · · · · · · ·
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector
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Part No	:	PAR #:	Fault Cat	egory:	NO	R: Yes	No DQ	A:	Date:	
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NCR:	· · · · · · · · · · · · · · · · · · ·	1	WORK ORI	DER NON-CONFO	DRMANC	E (NCR)			
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Work Order ID 59973 Tuesday, June 22, 2010 10:14:46 AM Item ID: D206-667-203 Revision ID: Accept Item Name: Crosstube Aft Setup Start Start Date: 6/22/2010 Start Qty: 1.00 Required Date: 7/20/2010 Stop Req'd Qty: 1.00 Cust Item ID: Reference: Customer: Approvals: Process Plan: __ Date:____ Tooling: QC: Run Start Date: Date:____ SPC (Y/N): Sequence ID/ Operation Date: Work Center ID Stop Description Set Up/ 270 Tool ID Tool # Plan Run Hours Accept Reject Reject Code Insp. Packaging 0.00 Qty Qty Number Packaging Stamp Packaging Memo 0.00 Identify and pack for shipping as per PPP D206-667-203

280

Quality Control

QC21- Final Inspection - Work Order Release

PPP Rev:

0.00

Memo

0.00

Page 8

Dart Aerospace Ltd W/O: **WORK ORDER CHANGES** Approval **Approval STEP** DATE PROCEDURE CHANGE Qt By Date Chief Eng / QC Inspector Prod Mgr Part No: _____ PAR #: ____ Fault Category: ____ NCR: Yes No DQA: Date: _____ Resolution: _____ Disposition: ____ QA: N/C Closed: ____ Date: _____ WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** DATE **STEP** Sign & Initial **Action Description** Section A Section C Chief Eng QC Inspector Chief Eng Chief Eng Date

Tuesday, June 22, 2 Work Order ID: 59	19973						•			Page 1
Parent Item: D	D206-667-203		 		AT 111 111 At 1111 1111 1111 1111		A !			Page 1
	IPP Rev:I 08-1 IPP Rev J 09.0	09.01 □ Add holes for a update as remove thr add magno 0.01.06 ECN 08-56	hread mask nobond D	sking in step 12 DD verified by:	2 DD verified ov:EC	JKJ/JLM ied by:ec 1 by:EC	1		Start Date: 6/22/2010 Start Qty: 1.00	Required Date: 7/20/2010 Required Qty: 1.00
Component Item ID/ Item Name	Replacemen Item ID	ent Mfg/ Purch	Bin		by:DD Last Location	Route Seq ID	Unit of	Qty on	n Qty per Kit Total	
	NAS1149D0563	63J Purchased	No			100	Measure Each	0.0000	Qty	Qty Date Status Issued Issued
0206-667-203TRN	• Aliu 182) iirein vau sees	Manufactured	d No			220	Each	3.0000	(M) (M) (M)	114742 (1/2)
1873-043				53	53649 53651		Oty <u>I</u> 3 '	Loc Code	mg mg	10-07-05
t Plate Assembly	# #### ## ###	Manufactured	No	59	59144	220	1	48.0000	2 2	
				<u>Location</u> LG	3966	<u>Loc Oty</u> 48 20	48 ·	Loc Code		W 10.07. 25

W/O:			W	ORK ORDER CHANGI	ES				
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Picklist Print Tuesday, June 22, 2010 10:14:50 AM		,		Page 2
Work Order ID: 59973 Parent Item: D206-667-203 Parent Item Name: Crosstube Aft			Start Date: 6/22/2	010 Required Date: 7/20/2010
D2873-045 Manufactured Nut Plate Assembly	No	220 Each	Start Qty: 1.00 44.0000 2 2	Required Qty: 1.00
	Location LG 53967	Loc Oty 44 5	Loc Code	W 10 07 19
D2892-1 Manufactured Gupport	53968 57336 No	20 i 19 i 230 Each	52.0000 2 2	2.
	Location LG 41986 42785	Loc Oty	Loc Code	m 10.07 179
Manufactured Washington Manufactured Washington Manufactured	53124 55787 No	13 7 230 Each	74.9790 4 4	
	Location LG 53775 58161 59580	Loc Oty 74.97897368 5.97897368 24 45	Loc Code	ml 10-01.10

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Picklist Print Tuesday, June 22, 2010 10:14:50 AM Page 3 Work Order ID: 59973 Parent Item: D206-667-203 Parent Item Name: Crosstube Aft Start Date: 6/22/2010 Required Date: 7/20/2010 MS20601-AD4W10 Start Qty: 1.00 Required Qty: 1.00 Purchased No 230 Each 128.0000 14 14 Location Loc Qty Loc Code LG051 100 1 114245 100 | ST322 28 AN5-10A 28 Purchased No 260 Each 153.0000 **Location** Loc Oty Loc Code ST337 153 114199 52 114227 1 114752 AN5-32A 100 Purchased No 260 Each 178.0000 Location Loc Oty Loc Code ST340 178 113121 28 114056 100 114405 AN5-34A 50 Purchased No 260 Each 104.0000 Bolt Location Loc Oty Loc Code ST340 104 113149 54 113226 50

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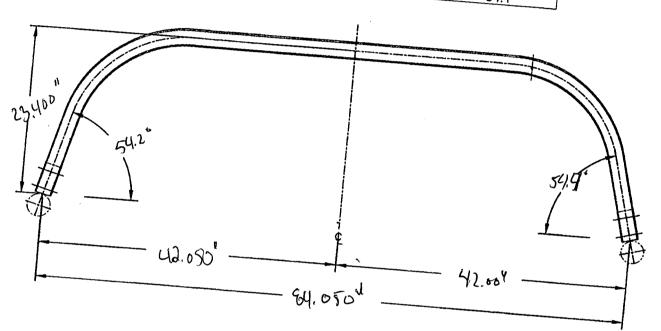
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Part No	•	PAR #:	Fault Ca	tegory:	NCR:	Yes N	lo DQA	: [_ Date: _	
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NCR:			WORK OR	DER NON-CONFORM	ANCE	(NCR)				
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Picklist Print						
Tuesday, June 22, 2010 10:14:50 A Work Order ID: 59973	M		•			
Parent Item: D206-667-203 Parent Item Name: Crosstube Aft						Page 4
MS21042L5 }	Purchased	No		260 Each	Start Date: 6/22/2010 Start Qty: 1.00	Required Date: 7/20/2010 Required Qty: 1.00
MS21920-22 Clamp(per MIL-DTL-8783C)	Purchased	No	Location ST139 114813 ST300 114449 Location	Loc Oty 500 500 181 181 181 Each Loc Oty 118	Loc Code 118.0000 4 Loc Code	
			111210 114077	118 19 99		W 10.07.19

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NCR:		. \	WORK OR	DER NON-CONFORMA	ANCE (N	CR)				•		
DATE	STEP	Description of NC	Corrective Action Section B			verifica				Approval		
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DART AEROSPACE LTD	
Description: Crosstube High Aft (206L)	Work Order: 59972
Inspection Dwg: D206-667-243 Rev: C	Part Number: D206-667-203
	Page 1 of 1

Required Di	
Required Dimension Min	
Height Max	
1/2 Span 23.59	
41 70	
Total Span 54 +2.03	_]
83.58 56	
84.1	\neg



	Comments	
QC15 Inspection Date	10/2/01	

B 09.11.17 D	hange ew Issue wg Rev updated mensions update per Dwg Rev C	Revise KJ/JM KJ KJ	d by Approved
		•	<i>)</i>

Dart Ae	rospace	e Ltd							
W/O:	 -			WC	RK ORDER CHANG	iES			
DATE	STEP		PRO	OCEDURE CHAI	NGE	Ву	Date C	Approval Chief Eng / Prod Mgr	Approva QC Inspector
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Part No):		PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA: _	Date: _	
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Qty Part Number Description -243 D206-667-243 CROSSTUBE ASSEMBLY (206L HIGH AFT) D6004-115 CROSSTUBE 2 D2873-043 4 NUT PLATE D2873-045 **NUT PLATE** D2892-1 SUPPORT D3595-063-450 RUBBER CUSHION 4 MS21920-22 CLAMP 8 14 MS20601AD4W10 RIVET (OR NAS9302B-4-10) A/R MAGNOBOND 6398 ROCKWELL SPECIFICATION RBO-120-023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100, TYPE II, CLASS 2 ADHESIVE)

GENERAL NOTES:

1) MATERIAL: MANUFACTURED FROM D6004-115

FINISHED LENGTH = 104.91±0.020

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED. UNITS: INCHES UNLESS OTHERWISE NOTED.

BREAK SHARP EDGES: 0.005 TO 0.010 MAX. DENTIFICATION: SCRIBE DART PART NUMBER "D206-667-243" AND BATCH NUMBER ON

PART IS SYMMETRIC ABOUT CENTERLINE.

RUN CUTTER OFF PART WHERE INDICATED. BLEND OUT EDGE LONGITUDINALLY,

10) BEND PROGRESSIVELY WITH A MINIMUM OF 8 PASSES. MAXIMUM TUBE FLATTENING DUE

11) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038. 12) INSTALL D2892-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.

13) INSTALL MS21920-22 CLAMPS WITH D3595-063-450 RUBBER CUSHIONS TO SECURE THE D2892-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMP MECHANISMS ARE

14) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

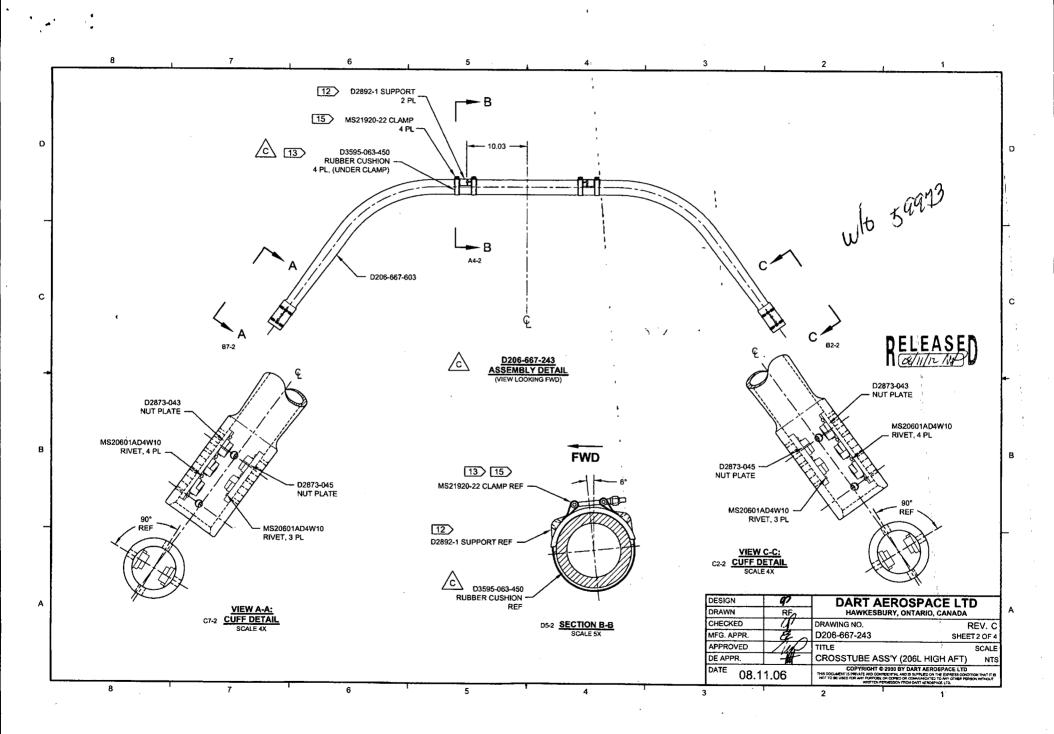
15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS ARE SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

SHOP COPY REFURNIO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMPRICABLET WITHOUT NOTICE

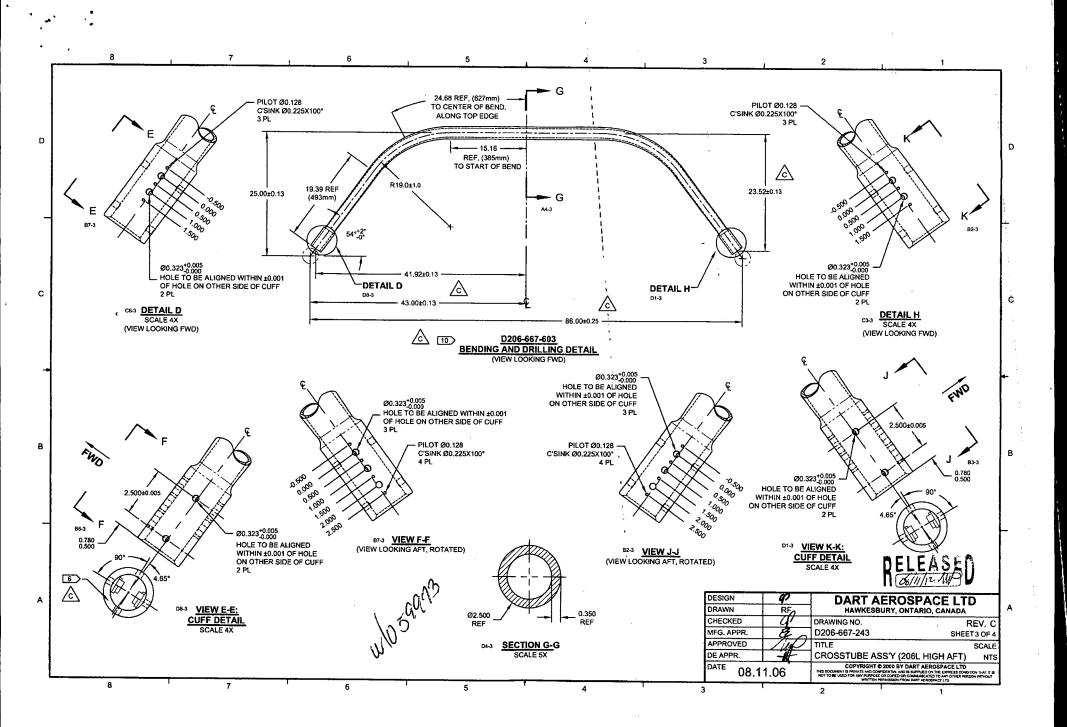
ps10-6-22

С	REVIS	SE GENERAL	NOTES/DADT LIAT			1	
	C REVISE GENERAL NOTES/PART LIST (ZN D7-1); REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENT STANDARDS. D3595-053-450 WAS D2856-400-773 (ZN D6-2 & A5-2); REMOVED REF. 8 ADD TOLERANCES (ZN 4-3, CS-3, D3-3); TURNING DETAIL & UPDATED TOLERANCE TO SHEET 4.						
В	ADD H		IN SILATED TO SHEET 4.	РН	05.07.26	1	
Α	NEW I			ļ''''	05.07.26	l	
REV.			DESCRIPTION	CP	00.11.17	1	
DESIGN		97		BY		1	
DRAWN		RF ₂	DART AEROSPA HAWKESBURY, ONTARK	CE	LTD	ı	
CHECKE		_4/	DRAWING NO.	O, CANA	DA	1	
MFG. APP	/	4	D206-667-243		REV. C		
DE APPR		-/W	TITLE	s	HEET 1 OF 4		
DATE		#-	CROSSTUBE ASS'Y (206L HI		SCALE		
DATE (08.11	1.06	THE COCUMENT IS PROVATE AND CONTROL AND IS SUPPLIED ON:	OSPACE L			
	1		WINTTEN PERHITSION FROM DART ARROST	ACELTO	PERSON WITHOUT		

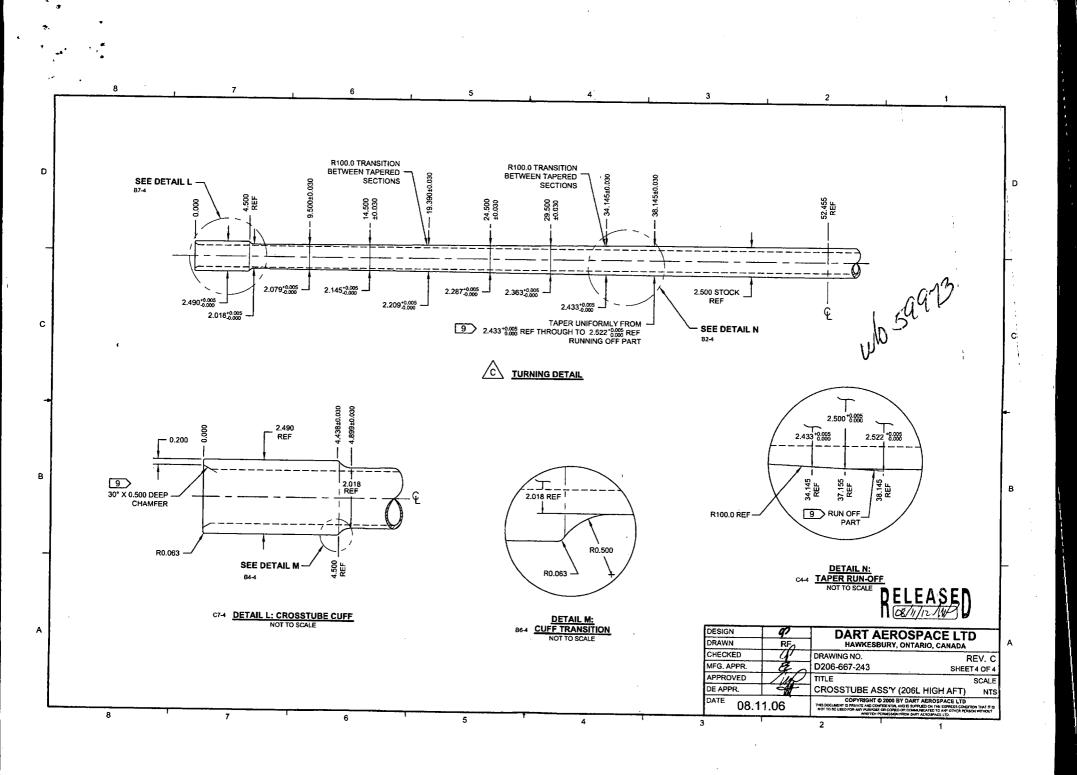
Dart Aerospace Ltd W/O: **WORK ORDER CHANGES** . , **Approval Approval PROCEDURE CHANGE** DATE STEP By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: _____ PAR #: ____ Fault Category: ____ NCR: Yes No DQA: __ Date: _____ Resolution: _____ Disposition: ____ QA: N/C Closed: ____ Date: _____ WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval DATE STEP** Sign & Initial **Action Description** Section A Section d QC Inspector Chief Eng Chief Eng Chief Eng Date



Dart Aerospace Ltd WORK ORDER CHANGES W/O: **Approval Approval** STEP DATE PROCEDURE CHANGE Βv Qtv Date Chief Eng / QC Inspector Prod Mar Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: __ Date: _____ Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____ WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B Verification **Description of NC Approval Approval** DATE STEP Sign & **Action Description** Initial Section A Section 6 Chief Eng QC Inspector Date Chief Eng Chief Eng



Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval Approval** DATE **STEP** PROCEDURE CHANGE By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: __ Date: _____ Resolution: _____ Disposition: ____ QA: N/C Closed: ____ Date: _____ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** STEP DATE Sign & Initial **Action Description** Section A Section 0 Chief Ena QC Inspector Chief Eng Chief Eng Date



Dart Aerospace Ltd WORK ORDER CHANGES W/O: **Approval Approval** DATE STEP PROCEDURE CHANGE By Qty **Date** Chief Eng / QC Inspector Prod Mgr Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: __ Date: _____ Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** DATE **STEP** Sign & **Action Description** Initial QC Inspector Section A Section (Chief Eng Date Chief Eng Chief Eng

A(R	EI	N

LIQUID PENETRANT TEST REPORT

ACUREN		•					•
		1 0				PAGE	i OF
CLIENT	DART	LENOSPORE	, -	DATE	July 7-20	-	AM D PM D
ATTENTION	1.10	A/11/2016		ACUREN JOB NO.) - 077	
ADDRESS	122 AB	FI DEEN. H	NESB OU	PO/WO No.			
, 10011100	017	ULULA ; W	- Journal	Work Location	IMANA STAF	- HANK	ESP NY
	1641	47		ACCEPTANCE STD.	ACTU 141	REV./DATE	2-27
PROJECT	FO	I, w	TUDGE	Choss To	7777	1 141	PREVIOUS
	INDICATIO		FR. WI II	(339)	É Fou	1 0005	STRES
TTEM(5) EXAMINED	4,0 y 1 O T 1 1C			13201	<i>\$</i> 100	<u> </u>	2 10112
JOB DESCRIPTION	ON	PROCEDURE NO. LTZ	An D REV /DATE		TECHNIQUE NO. LT	REV./DATE	
Part No.			,00,52	MATERIAL CHA	Has STEEL	THICKNESS 4	-Dave
SCOPE	WETE	Louresc	= 1/ 1	1QUID	06 57 PAN.	- MICKINESO/14	201002
SCOPE	les Ti	CAIRIES		oi /	TELLIM	776	aminuoc
TEST DETAILS		CAUCIES .	0u7 1	00% F	- WILLY		
TEST DETAILS METHOD	≅ FLUORE	SCENT · □	VISIBLE	WATER WASH	☐ SOLVENT	REMOVABLE	☐ POST EMULSIFIED
FAMILY BRAND		Frux	· · · · · · · · · · · · · · · · · · ·		16454 □ OUTPUT >		☐ AMBIENT < 2 fc
PENETRANT	2667	MINIMUM DWELL TIME	45-10 MIN.	LIGHTING EQUIP.	3 FLASHLIGHT 🗆 TROUBLE		JT>100 fc @ SURFACE
PENETRANT REMOV	ER #20	MINIMUM DRY TIME	>10 Min.		BINO		
DEVELOPER TYPE	10 52	MINIMUM DWELL TIME	10 Min.	LIGHT METER S/N	1098866	CAL DUE	DATE OCT 18
TEST SURFACE	☐ Non Aque	OUS AQUEOUS	□ DRY	l			2010
SURFACE CONDITION	N 🔲 As GROUN	D	ELDED	MACHINED	☐ SHOT BLASTED	es Ci	EAN BARE METAL
	TURE - 4°C/ 20		20°F TO 10°C/50°		☑ 10°C/50°F TO 52°C		52°C/125°F
RESULTS-	(METRIC	☐ IMPERIAL)					
1 - Closs 2 - Closs 2 - Closs 3 - Closs 4 - Closs 4 - Closs 4 - Closs 5 - Closs 6 - Closs 7 - Closs 7 - Closs 7 - Closs 8 - Closs 8 - Closs 9 - Cl	ents and expressions of opinions. Acuren Group Inc. is not	599776 58388 600145 600146 000 59873 extends only to those services prometically the opinions or observations assuming any responsibilities of the systems of the syst	ions of Acuren Group Inc. I he owner/operator and the	TUDIO A CONTRACTOR OF THE CONT	0.59975	nance of the requested serverar and are not intendence, manufacture, repair a	329. ATED SELE AND
Standard of Care	ravided, Acuren Group Inc. i	·		·	n exceed the amount paid for such si performing such services in the sam		other warranty, expressed or
CLIENT REPRESEN	TATNE # -	7:11:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		R# E63	₹7.8
TECHNICIAN (SIGNAT		1 PRINT		SIGNATURE	REPORT		/60
NAME (PRINT):	-M.	151 TECHNICIAN	<u> </u>	2 ND TECHNICIAN	REVIEWED B	NAME	INITIALS
	CGSB LEVE CGSB REG		CGSB LEV		EVEL		

DART AEROSPACE LTD.



IIN-D206-667 Page 14 of 14

5.0 **PARTS LIST**

Item	Qty -011	Qty -013	Qty -015	Qty -101	Qty -201	Qty -103	Qty -203	Qty -105	Qty -205	Part Number	Description
	Х						-			D206-667-011	SPACER BLOCK KIT
		X					,			D206-667-013	NUT PLATE KIT (-101/-103/-105/-203/-205)
			Х							D206-667-015	NUT PLATE KIT (-201)
				Х						D206-667-101	CROSSTUBE INSTALLATION, 206A/B HIGH FWD
	<u> </u>			<u> </u>	X					D206-667-201	CROSSTUBE INSTALLATION,
					^					0200-007-201	206A/B HIGH AFT
						X	•			D206-667-103	CROSSTUBE INSTALLATION,
		l	l	l					ļ		206L/L-1/L-3/L-4 HIGH FWD
							X			D206-667-203	CROSSTUBE INSTALLATION, 206L/L-1/L-3/L-4 HIGH AFT
	 	-	<u> </u>	 				X		D407-667-105	CROSSTUBE INSTALLATION, 407 HIGH FWD
	 	 	-					 ^-	<u> </u>	D407-667-205	CROSSTUBE INSTALLATION, 407 HIGH AFT
					<u> </u>		-		 ^-	D407-007-203	CROSSIBLE INSTALLATION, 407 HIGHALL
1	T	i –	1	1						D206-667-141	CROSSTUBE ASSEMBLY, 206A/B HIGH FWD
2		 	<u> </u>		1				T	D206-667-241	CROSSTUBE ASSEMBLY, 206A/B HIGH AFT
3						1	i			D206-667-143	CROSSTUBE ASSEMBLY,
									}		206L/L-1/L-3/L-4 HIGH FWD
4							1			D206-667-243	CROSSTUBE ASSEMBLY, 206L/L-1/L-3/L-4 HIGH AFT
5								1		D407-667-145	CROSSTUBE ASSEMBLY, 407 HIGH FWD
6									1	D407-667-245	CROSSTUBE ASSEMBLY, 407 HIGH AFT
							-		- '-	D401-001-243	CROSSTOBE ACCEMBET, 407 HIGHTALT
10				*2	*2	*2		*2		D2891-1	SUPPORT
11							*2			D2892-1	SUPPORT
12									*1	D2894-1	SUPPORT
13				*2	*2	*2		*2		D2856-400-694	ABRASION STRIP
14							*2		*2	D2856-400-773	ABRASION STRIP
15									*1	D2856-600-851	ABRASION STRIP
16				*4	*4	*4		*4		MS21920-20	CLAMP
17							*4		*4	MS21920-22	CLAMP
18									*2	MS21920-24	CLAMP
19				4	4	4		4		AN5-32A	BOLT
20							4		4	AN5-34A /	BOLT
21				4	4	4	4	4	4	MS21042L5	NUT (OR MS21042-5)
22				8	8	8	. 8	8	8	AN960JD516	WASHER
23									*2	D3190-1	CHAFING SHIELD
30	8									AN4-6A	BOLT
31	8	-								AN4-7A	BOLT
32	16								-	AN960JD416	WASHER
33	2									D3193-041	SPACER BLOCK ASSEMBLY
										D0070 0 10	LAUGE BLATE
40		2		*2		*2	*2	*2	*2	D2873-043	NUT PLATE
41	-	2.		*2		*2	*2	*2	*2	D2873-045	NUT PLATE
42			2		2					D2872-043	NUT PLATE
43		40	2	40	2	-10				D2872-045	NUT PLATE
44		10	10	10	10	10	10	10	10	AN5-7A AN5-10A /	BOLT
45		10	_		10		I U	10	10	AN5-30A	BOLT
46		4	4	4	10	4 '		4.			
47		4		10		10	10	10	4 -10	AN5-32A / AN960JD516	BOLT WASHER
48		18	18	10	12	10	10	10	-10		
49	-	4	4		6	1				MS21042L5	NUT (OR MS21042-5)

*REFERENCE ONLY. PARTS ARE INCLUDED IN D206-667-141/241/143/243, & D407-667-145/245 ASSEMBLIES ABOVE

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Date: 05.07.26